



#### Purpose of Meeting

- Provide opportunity for face-to-face discussion
- Identify data needs and opportunities for integration
- Align schedules

This is your Meeting

#### Research Integration

- Review of key TMDL elements
- Summary of new projects
- New conceptual model

#### Elements of a TMDL

- \* Problem Statement
- \* Numeric Target
- \* Source Analysis
- \* Linkage Analysis
- \* Load Allocations
- \* Margin of Safety
- \* Implementation Plan

#### New Research and Monitoring Projects

- •Reconstruction of historic meteorology UC Davis
- •Loading of fine sediment Collective Effort
- •Stream channel erosion USDA National Sedimentation Laboratory
- •Groundwater US Army Corps of Engineers
- •Sewer line exfiltration US Army Corps of Engineers
- •Stormwater runoff monitoring Tahoe Research Group (TRG), Desert Research Institute (DRI)
- •Statistical analysis of loading related to land use characteristics Hydrokios Consulting, DRI, TRG
- •Watershed Modeling Tetra Tech Inc. and others
- •Biologically available phosphorus University of Nevada, Reno
- •Characterization and fate of lake particles UC Davis
- •Application of Clarity Model UC Davis
- •Stormwater BMP evaluations and implementation feasibility Geosyntech Consulting
- •Establish air quality monitoring network California Air Resources Board (CARB), TRPA and others
- •Characterization of air quality emission sources CARB
- •Modeling of atmospheric deposition to Lake Tahoe CARB
- •Nearshore water quality DRI
- •Data management TRPA

### Schedule Integration

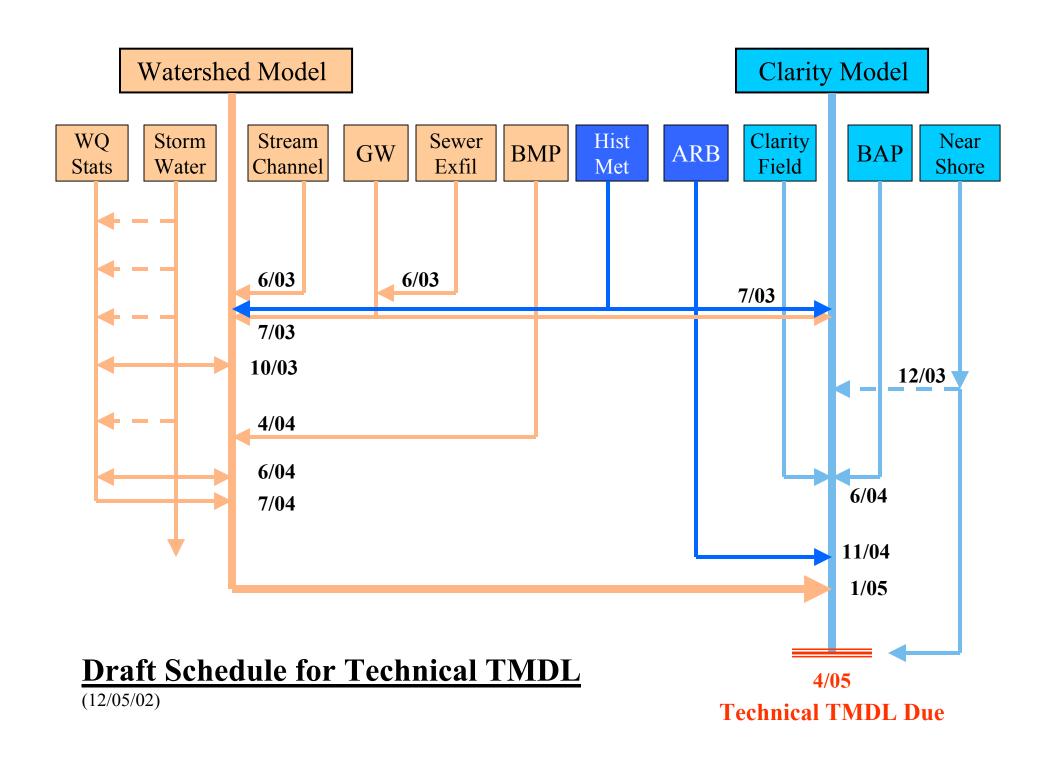
- Regional planning documents
- TMDL administrative timeline
- Research time table & project linkages

## Planning Documents to be Updated in Spring 2007

- TRPA Regional Plan
- Lahontan RWQCB Basin Plan
- U. S. Forest Service Forest Plan

It is anticipated that these documents will be updated with the use of information developed for the Lake Tahoe Nutrient and Sediment TMDL.

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TASK	2002			2003				2004				2005				2006				2007			
	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	2 Qtr	3 Qtr 4	Qtr ′	Qtr 2	Qtr 3	Qtr 4	
1. Research and Data Collection	7/02	- 5/05																				-	
1.1 Water Year 1		- 9/03															+	+				_	
1.2 Water Year 2	1702	0,00				9/03 -	9/04										+						
1.3 Final Loading Data & Research						0/00	0/07			*	12/04	L										_	
1.4 Final BMP Data & Research											12,04	* 5/0	)5										
2. Peer Review			1/03	- 5/03																			
2.1 Prepare Plan for Peer Review				- 2/03																			
2.2 Peer Review																							
2.3 Response to Comments																							
2. Technical Report	7/02	- 4/05																				-	
2.1 Develop Standard Language	7/02	- 4/03																					
2.2 Test TMDL ver. 1					7/03	- 4/04																	
2.3 Draft Technical Report									7/04	- 2/05													
2.4 Final Technical Report												* 4/0	5										
3. Implementation Planning				4/03	- 6/06																	-	
3.1 Outline Load Reduction Matrix				4/03 -	10/03																		
3.2 Stakeholder LR Matrix Develop.						10/03	- 5/0	14															
3.3 Quantitative LR Matrix Develop.								4/04	- 4/05														
3.4 Develop LR Alternatives												5/05	- 6/06										
4. Final TMDL Adoption												6/05	- 12/0	6								-	
4.1 CEQA & Final Report Delopment													- 6/06										
4.2 Review Draft Final Report												0/03	- 0/00		Π							_	
4.3 Public Comment																						-	
4.4 Regional Board Adoption																							
5. TMDL Implementation																-				>> >	>> >>	>>	



#### TMDL Update

- TMDL progress
- Peer review
- Technical TMDL

# TMDL Progress

- Contracting
- Outreach
- Development Sections
- Planning Integration



- All contracts are now executed
- Need for updated project timelines
- Technical TMDL still on schedule



- Public Meetings
- Individual Stakeholder Meetings
- Quarterly Newsletter
- Lahontan webpage www.swrcb.ca.gov/rwqcb6/tmdl

# TMDL Development Sections

Technical TMDL Development

Section Lead - Jacques (Jack) Landy

• Implementation/Allocation Planning

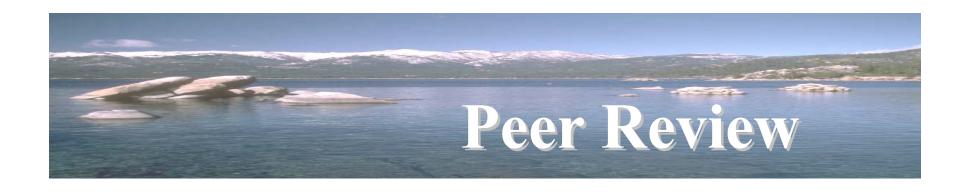
Section Lead, Project Lead - Dave Roberts

Research and Data Collection

Section Lead - Dr. John Reuter



- Agencies need for planning integration
- Formalization of Pathway 2007 groups
  - Management Team, Executives
- Pathway 2007 goals
  - Alignment of agency efforts and standards
  - Develop integrated and cohesive set of planning instruments that are supported and implemented



- Need/desire to do a peer review of TMDL approach, with emphasis on science plan
- Need to finalize draft science plan with more detail on individual scopes, project integration, modeling approach
- Need project timelines from each PI
- Discussions from this meeting will be used
- Mid-February time table

#### Modeling Discussions

- Watershed and Clarity models are major pathways for information processing
- Most of the team will be providing input data/knowledge into these models
- Provide models what they require
- Major focus of this working meeting

### Modeling Discussions (con't)

- ID all information needs of model
- Establish sequential schedule of data needs
- Discuss sources of data (e.g. exists [form], part of TMDL research, part of other research, Tahoe-specific data not available, use literature values, resources need to be spent, etc.)
- Hierarchy for data selection preferred vs. adequate vs.fall back